

Attorney Docket No. ISAA0070

U.S. Serial No. 09/919,074

LISTING OF THE CLAIMSRECEIVED  
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MAY 22 2007

1. (Canceled)

5 2. (Previously Submitted) The method of Claim 10, further comprising the step of:  
creating an ordered areas for improvement table.

3. (Previously Submitted) The method of Claim 10, further comprising the step of:  
using said surrogate characteristics as said areas for improvement.

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4. (Withdrawn) The method of Claim 1, further comprising the step of:  
using a set of Search<sup>TM</sup> Software prediction characteristics as areas for  
improvement.

15 5. (Withdrawn) The method of Claim 1, further comprising the step of:  
defining a set of surrogate characteristics from a standard categorization of the  
original c prediction characteristics

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6. (Withdrawn) The method of Claim 5, further comprising the step of:  
developing surrogate characteristics as models developed using said  
categorized prediction characteristics and said credit score as said performance  
variable.

25 7. (Withdrawn) The method of Claim 6, further comprising the step of:  
creating said areas for improvement.

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8. (Previously Submitted) The method of Claim 10, wherein said defining a credit  
score step is defined as:

Attorney Docket No. ISAA0070

U.S. Serial No. 09/919,074

$$\text{Score} = \varsigma(\chi_1, \chi_2, \dots, \chi_c),$$

where

 $\chi_j$  = Prediction Characteristic  $j$ .

9. (Canceled)

- 5 10. (Previously Submitted) In a A method for explaining credit scores, comprising the steps of providing a Web site that contains informative resources, said Web site comprising any of for-pay services and extranet/Internet functions; offering consumers access to information contained in said informative resources, the resources being both general and personal, about practices comprising any of
- 10 collection, storing, reporting, and evaluating consumer credit data; accepting consumer credit scores and reason codes from individual consumers or third parties, in interactive or batch modes; and providing an explanation report to said individual consumers based upon the individual consumers' credit scores, a said method for explaining credit scores further comprising the steps of:
- 15 defining a credit score as a function of prediction characteristics;  
defining a surrogate set of characteristics as representing areas for improvement;  
developing a surrogate score to approximate a real credit score, using said real credit score as a performance (dependent) variable and using said surrogate
- 20 characteristics as predictors; and  
defining a potential improvement metric for each area for improvement;  
wherein said developing a surrogate score step further comprises the step of:  
using said areas for improvement prediction variables to develop a surrogate score of the form

Attorney Docket No. ISAA0070

U.S. Serial No. 09/919,074

$$\psi(z_1, z_2, \dots, z_p),$$

which is developed using  $z_1, z_2, \dots, z_p$  as said prediction characteristics and

$$y = \varsigma(\chi_1, \chi_2, \dots, \chi_c)$$

as said performance variable; and

- 5 wherein said defining a potential improvement metric step is defined as:

$$I_k = 100 \times \frac{\max\{\psi(z_1^*(z_k), \dots, z_k, \dots, z_p^*(z_k)) - \psi(z_1^*, \dots, z_k^*, \dots, z_p^*)\}}{\text{Score}^*}$$

= Maximum possible percent improvement in score  
for Area of Improvement  $k$ .

where  $z_1^*(z_k) = z_1^*$  unless  $z_1^*$  cannot coexist with  $z_k$ , wherein in that case,

$z_1^*(z_k) = E[z_1 | z_k]$ , or some other value of  $z_1$  that can coexist with  $z_k$ .

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11. (Previously Submitted) The method of Claim 10, further comprising the steps of:

associating a set of reason codes with a score returned from a credit bureau;

associating a score difference with each reason code;

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providing a data feed which includes score differences associated with said reason codes; and

converting score differences to percentages.

12. (Previously Submitted) The method of Claim 10, further comprising the step of:

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comparing a current score to a maximum score that can be obtained by varying said prediction characteristic.

13. (Canceled)

Attorney Docket No. ISAA0070

U.S. Serial No. 09/919,074

14. (Previously Submitted) The apparatus of Claim 22, further comprising:  
means for creating an ordered areas for improvement table.
- 5 15. (Previously Submitted) The apparatus of Claim, 22, further comprising:  
means for using said surrogate characteristics as said areas for improvement.
16. (Withdrawn) The apparatus of Claim 13, further comprising:  
means for using a set of Search<sup>TM</sup> Software prediction characteristics as areas  
for improvement.
- 10 17. (Withdrawn) The apparatus of Claim 13, further comprising:  
means for defining a set of surrogate characteristics from a standard  
categorization of the original c prediction characteristics
- 15 18. (Withdrawn) The apparatus of Claim 17, further comprising:  
means for developing surrogate characteristics as models developed using  
said categorized prediction characteristics and said credit score as said performance  
variable.
- 20 19. (Withdrawn) The apparatus of Claim 18, further comprising:  
means for creating said areas for improvement.
20. (Previously Submitted) The apparatus of Claim 22, wherein said means for  
defining a credit score comprises:

$$\text{Score} = \varsigma(\chi_1, \chi_2, \dots, \chi_c),$$

where

$\chi_j$  = Prediction Characteristic  $j$ .

- 25 21. (Previously Submitted) The apparatus of Claim 22, wherein said developing a

Attorney Docket No. ISAA0070

U.S. Serial No. 09/919,074

surrogate score step further comprises:

means for using said areas for improvement prediction variables to develop a surrogate score of the form

$$\Psi(z_1, z_2, \dots, z_p),$$

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which is developed using  $z_1, z_2, \dots, z_p$  as said prediction characteristics and

$$y = \varsigma(\chi_1, \chi_2, \dots, \chi_c)$$

as said performance variable.

- 10 22. (Currently Amended) A credit score explanation ~~service~~, system, comprising a Web site that contains informative resources, said Web site comprising any of for-pay services and extranet/Internet functions; said Web site offering any of consumers and said third parties access to information contained in said informative resources, the resources being both general and personal, about practices of any of collection,
- 15 storing, reporting, and evaluating consumer credit data; a mechanism for accepting consumer credit scores and reason codes from any of individual consumers or third parties, in interactive or batch modes; and providing an explanation report to said individual consumers based upon the individual consumers' credit scores an apparatus for explaining credit scores comprising:
- 20 means for defining a credit score as a function of prediction characteristics;
- means for defining a surrogate set of characteristics as representing areas for improvement;
- means for developing a surrogate score to approximate a real credit score, using said real credit score as a performance (dependent) variable and using said
- 25 surrogate characteristics as predictors; and

Attorney Docket No. ISAA0070

U.S. Serial No. 09/919,074

wherein said developing a surrogate score step further comprises:

using said areas for improvement prediction variables to develop a surrogate score of the form

$$\psi(z_1, z_2, \dots, z_p),$$

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which is developed using  $z_1, z_2, \dots, z_p$  as said prediction characteristics and

$$y = \varsigma(\chi_1, \chi_2, \dots, \chi_c)$$

as said performance variable; and

- 10 means for defining a potential improvement metric for each area for improvement;  
 wherein said means for defining a potential improvement metric step is defined as:

$$I_k = 100 \times \frac{\max_{z_k} \{ \psi(z_1^*(z_k), \dots, z_k, \dots, z_p^*(z_k)) - \psi(z_1^*, \dots, z_k^*, \dots, z_p^*) \}}{\text{Score}^*}$$

= Maximum possible percent improvement in score  
 for Area of Improvement  $k$ .

- 15 where  $z_1^*(z_k) = z_1^*$  unless  $z_1^*$  cannot coexist with  $z_k$ , wherein in that case,  
 $z_1^*(z_k) = E[z_1 | z_k]$ , or some other value of  $z_1$  that can coexist with  $z_k$ .

23. (Previously Submitted) The apparatus of Claim 22, further comprising:  
 means for associating a set of reason codes with a score returned from a  
 20 credit bureau;  
 means for associating a score difference with each reason code;  
 means for providing a data feed which includes score differences associated  
 with said reason codes; and  
 means for converting score differences to percentages.

Attorney Docket No. ISAA0070

U.S. Serial No. 09/919,074

24. (Previously Submitted) The apparatus of Claim 22, further comprising:  
means for comparing a current score to a maximum score that can be  
obtained by varying said prediction characteristic.

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25. (Canceled)

26. (Canceled)